

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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HELP

Engine and cooling system BX 19i CAT 1991 to 1993

Type	XU9JAZ (DKZ) 83kW US83	
Capacity (cm ³) / number of cylinders	1905 / 4	
Compression ratio / pressure	bar	9.18 / _
Oil pressure	bar	[3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20±0.05
Valve clearance - exhaust	mm	0.40±0.05
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	1.0

Fuel system BX 19i CAT 1991 to 1993

Idle speed - manual [auto]	rpm	850 to 900
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤100
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥10.0
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Bosch	
Type / ref	Motronic M1.3	
Main jet / needle	_	
Injection pressure	bar	3.0 to 3.5
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system BX 19i CAT 1991 to 1993

Type	DME Motronic	
Ignition coil	Ducellier 1 252 6009A	
Primary resistance	ohms	_
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Ducellier	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	_	
Ignition timing - basic [static	° Crankshaft @ rpm	Computer control N/A
V = Vacuum NV = No Vacuum	_	
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	_
Spark plugs	Eyquem/Champion	
Type	FC52LS / C9YCX	
Electrode gap	mm	0.80

Electrical system BX 19i CAT 1991 to 1993

Battery	V / CC / RC	12 / 45Ah
Alternator voltage / full load current / engine rpm	13.5 / 50, 80 / 3650	
Starter motor current / voltage - cranking	A / V	220 / _
- locked	A / V	350 / _

Running gear BX 19i CAT 1991 to 1993

Brakes -		
Front (min. friction material thickness)	mm	_
Rear (min. friction material thickness)	mm	_
Tyres		
Saloon	Size	185/60x14
Estate / Van	Size	175/65x14
Pressure - front / rear - Saloon	bar	2.2 / 2.2 ¹
- Estate / Van	bar	2.3 / 2.5
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to -3.0
Camber	0±30'. 4x4: +1°39'±35'	
Castor	+2°±35'. 4x4: 0±30'	
King pin inclination	+11°58'	
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +5.0 ²
Camber	-1°±20'	

Torque wrench settings BX 19i CAT 1991 to 1993

Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
Big-end bearings	Nm	50
Main bearings	Nm	53
Clutch cover	Nm	22
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	270
Rear hubs	Nm	270
Wheel nuts / bolts	Nm	70. Alloy: 90
Spark plugs	Nm	25

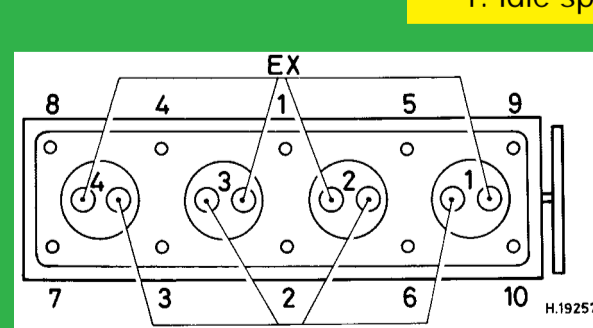
Capacities BX 19i CAT 1991 to 1993

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	2.0 ³
Automatic transmission - refill	litres	2.5
Final drive	litres	4x4 rear: 1.7
Cooling system	litres	7.0
Fuel tank	litres	66. Estate: 52

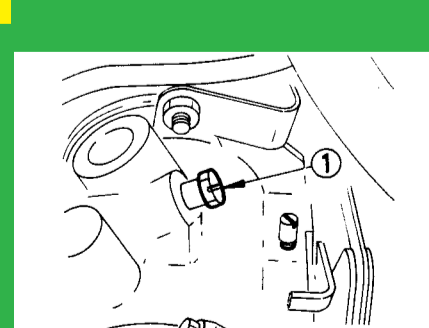
Notes and Illustrations

- ¹4x4: 2.1 / 2.1
- ²4x4: +1.6 to 5.0
- ³4x4: 1.9. Transfer box: 1.8

1: Idle speed 2: CO / Mixture



1905 cm³, 8V



Motronic M1.3